

# Recovery Plan Action Status

**Plan Name:** Recovery Plan for the Morro Shoulderband Snail and Four Plants from San Luis Obispo County

**Plan Status:** Final

**Plan Date:** 28-Sep-98

**Lead Agency:** USFWS

**Lead Office:** Ventura Fish And Wildlife Office

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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Chorro Creek bog thistle (Cirsium fontinale var. obispoense)	1	1.2	Secure Chorro Creek bog thistle sites	Unknown			U.S. Fish and Wildlife Service, California Department of Fish and Game	Acquisition	Internal Administrative, Internal Technical Assistance	Information for Chorro Creek bog thistle: Populations at Laguna Lake are fenced and invasive exotics being controlled. Population in the Irish Hills are doing well; no imminent threats
Chorro Creek bog thistle (Cirsium fontinale var. obispoense)	3	2.2.1	Monitor roadside maintenance activities for Chorro Creek bog thistle	Unknown			San Luis Obispo County, California, California Department of Fish and Game, To be determined	Management: Habitat Maintenance and Manipulation, Other: Administration	Contract, Internal Technical Assistance	Information for Pismo clarkia and Chorro Creek bog thistle
Chorro Creek bog thistle (Cirsium fontinale var. obispoense)	1	2.2.2	Protect spring sources for Chorro Creek bog thistle	Unknown			California Army National Guard, City of San Luis Obispo, California Polytechnic State University, San Luis Obispo, San Luis Obispo County, California, California Department of Fish and Game, Private landowners	Acquisition, Management: Habitat Maintenance and Manipulation	Internal Administrative, Internal Technical Assistance	Information for Chorro Creek bog thistle
Chorro Creek bog thistle (Cirsium fontinale var. obispoense)	2	3.2.2.1	Evaluate the effects of livestock use on Chorro Creek bog thistle	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Other Information	Contract	Information for Chorro Creek bog thistle. Populations at Camp San Luis Obispo are fenced
Chorro Creek bog thistle (Cirsium fontinale var. obispoense)	2	3.2.2.2	Study the reproductive biology and evaluate the effects of the non-native seedhead weevil on Chorro Creek bog thistle	Unknown			U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Predation	Contract, Graduate Student, Species Expert	Information for Chorro Creek bog thistle

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Morro shoulderband (=Banded dune) snail (Helminthoglypta walkeriana), Pismo clarkia (Clarkia speciosa ssp. immaculata), Chorro Creek bog thistle (Cirsium fontinale var. obispoense), Indian Knob mountain balm (Eriodictyon altissimum)	2	4.1	Monitor populations to ascertain trends	Unknown			California Army National Guard, California Department of Parks and Recreation, U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Demographic Studies	Contract, Internal Field Assistance, Species Expert	Information for Pismo clarkia and Chorro Creek bog thistle. Not yet started for snail.
Morro shoulderband (=Banded dune) snail (Helminthoglypta walkeriana), Pismo clarkia (Clarkia speciosa ssp. immaculata), Morro manzanita (Arctostaphylos morroensis), Chorro Creek bog thistle (Cirsium fontinale var. obispoense), Indian Knob mountain balm (Eriodictyon altissimum)	2	4.2	Evaluate effectiveness of methods used to reduce threats	Unknown			U.S. Fish and Wildlife Service	Other: Regulations	Contract, Internal Technical Assistance, Species Expert	Information for Pismo clarkia and Chorro Creek bog thistle. Not started for snail.

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Morro shoulderband (=Banded dune) snail (Helminthoglypta walkeriana), Pismo clarkia (Clarkia speciosa ssp. immaculata), Morro manzanita (Arctostaphylos morroensis), Chorro Creek bog thistle (Cirsium fontinale var. obispoense), Indian Knob mountain balm (Eriodictyon altissimum)	3	5.1	Inform and consult with local lead agencies	Unknown			California Department of Parks and Recreation, U.S. Fish and Wildlife Service, California Department of Fish and Game	Management: General	Internal Technical Assistance	jmv 12-05. the service issued an intra-service biological opinion on the effects of prescribed burning in the vicinity of morro bay (1-8-99-FW-1) on october 20, 1998. it authorizes cdpr to conduct experimental prescribed burns in habitat tha contains morro shoulderband snail, morro manzanita, and indian knob mountain balm. Status is unknown for Pismo clarkia and Chorro Creek bog thistle. Ongoing current for snail.
Morro shoulderband (=Banded dune) snail (Helminthoglypta walkeriana), Pismo clarkia (Clarkia speciosa ssp. immaculata), Morro manzanita (Arctostaphylos morroensis), Chorro Creek bog thistle (Cirsium fontinale var. obispoense), Indian Knob mountain balm (Eriodictyon altissimum)	3	5.2.1	Hold public meetings	Unknown			California Department of Parks and Recreation, San Luis Obispo County, California, U.S. Fish and Wildlife Service, California Department of Fish and Game	Other: Administration	Internal Technical Assistance	Information for Pismo clarkia and Chorro Creek bog thistle. Status is complete for snail; Service held a NEPA scoping meeting that addressed the snail. The meeting was held in summer 2005.

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Morro shoulderband (=Banded dune) snail (Helminthoglypta walkeriana), Pismo clarkia (Clarkia speciosa ssp. immaculata), Morro manzanita (Arctostaphylos morroensis), Chorro Creek bog thistle (Cirsium fontinale var. obispoense), Indian Knob mountain balm (Eriodictyon altissimum)	3	5.2.3	Encourage landscaping with local native vegetation	Unknown			U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Other: Administration	Internal Technical Assistance	Status is unknown for Pismo clarkia and Chorro Creek bog thistle. Status for snail is Obsolete. For the snail, several products have been put out for the general public and work continues; however, we are trying to reduce movement of snails from undisturbed habitat into urban areas to minimize adverse effects to the snail.
Morro shoulderband (=Banded dune) snail (Helminthoglypta walkeriana), Pismo clarkia (Clarkia speciosa ssp. immaculata), Morro manzanita (Arctostaphylos morroensis), Chorro Creek bog thistle (Cirsium fontinale var. obispoense), Indian Knob mountain balm (Eriodictyon altissimum)	2	6.1	Reevaluate recovery criteria	Unknown			California Department of Parks and Recreation, U.S. Fish and Wildlife Service, California Department of Fish and Game	Other: Regulations	Contract, Internal Technical Assistance, Species Expert	Information for Pismo clarkia and Chorro Creek bog thistle

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